



# MassDEP

## Title 5 Updates

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- Change to the Inspection Form
- Assisted Living Design Flow
- Wastewater-Regulatory Review
- I/A Approvals

# Title 5 Updates

## Change to the Inspection Form

Inspector's Signature \_\_\_\_\_

Date \_\_\_\_\_

The system inspector shall submit a copy of this inspection report to the Approving Authority (Board of Health or DEP) within 30 days of completing this inspection. **If the system has a design flow of 10,000 gpd or greater, the inspector and the system owner shall submit the report to the appropriate regional office of the DEP. The original should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.**

- Changes to Title 5 done in January 2014
- On Page 1, Paragraph under Inspector's Signature
- This sentence previously read: "If the system **is a shared system** or has a design flow..."
  - the "shared system" piece was removed because the DEP no longer approves these systems

# Title 5 Updates

## Assisted Living Design Flow:

Section 60 of Chapter 259 of the Acts of 2014:

- required MassDEP to evaluate flows for assisted living facilities
- to promulgate a design flow specific to such facilities by September 30, 2016.

MassDEP reviewed actual flow data from assisted living facilities and nursing homes

- Data revealed the actual flows for both types of facilities are very similar

Average water usage for assisted living = 77.5 gpd/bed

Average water usage for nursing homes = 81 gpd/bed

- Title 5 uses 200% of actual flow for design to address peak flow

Promulgated September 9, 2016, under 15.203(4) Institutional

- Added Assisted Living Flow of 150 gpd/bed
- Kept Nursing Home Design Flow 150 gpd/bed

# Wastewater: Regulatory Review

- Stakeholders request to review:
  - Title 5 regulations (310 CMR 15.000) and
  - Groundwater Discharge Permitting regulations (314 CMR 5.00)
- Interested Stakeholder Groups:
  - Home Builders
  - Commercial Developers
  - Seasonal Campgrounds
- MassDEP to convene external stakeholder group in early 2017

# Wastewater: Regulatory Review

- **Title 5 (310 CMR 15.000)** revisions for consideration:
  - Design flows for residential facilities
    - Effect of low flow fixtures on water use
  - Use of holding tanks for peak flows
  - Reductions in groundwater separation requirements for new construction using alternative technologies
  - Uniform statewide Title 5 Code
- **Title 5 (310 CMR 15.000) and Groundwater Discharge (314 CMR 5.00)** revisions for consideration:
  - Flow threshold for groundwater discharge permit
    - New category of large systems (7,500-30,000)

# Title 5 Updates

## I/A Approvals

<http://www.mass.gov/eea/agencies/massdep/water/wastewater/septic-systems-title-5.html#5>

### Innovative/Alternative (I/A) Technology



- [MassDEP's Technology Approval Process for I/A Systems](#)  
MassDEP has a three-tiered approval process for new technologies: Piloting, Provisional Use, and General Use.
- [Innovative/Alternative Systems: Frequently Asked Questions](#)  
Common questions about innovative/alternative septic system technologies
- [Innovative and Alternative \(I/A\) Septic Systems Fact Sheet](#)  
Basic information and questions about system maintenance and design.
- [I/A Systems for Repairs and New Construction](#)  
Information about using innovative/alternative wastewater systems in new construction or to remedy a failing or non-conforming septic system.
- [Summary of Innovative/Alternative Technologies Approved for Use in Massachusetts and Under Review](#)  
Summary table of innovative/alternative technologies approved for use in Massachusetts and options for systems not currently approved.
- [Title 5 Innovative/Alternative Technology Approval Letters](#)   
MassDEP's approval letters to I/A technology manufacturers. MassDEP approval does not constitute an endorsement of any specific technology.

# Title 5 Updates

## I/A Approvals

### General Use - Alternative SAS, Patented Sand Filters and Chambers

#### Standard Conditions for All Alternative Soil Absorption Systems

- Standard Conditions for Alternative Soil Absorption Systems with General Use Certification and/or Approved for Remedial Use  

These conditions apply only to the approvals listed below. Please be advised that if designed in accordance with these approvals, MassDEP approval is no longer required. Revised February 3, 2016.




#### Chamber Field Drain Contactors and Recharger by Cultec, Inc.

- Chamber Field Drain Contactors and Recharger by Cultec, Inc. Approval  

#### H-20 Reinforced Concrete Chamber CTL-12 and CTL-18 by Cur-Tech, LLC

- H-20 Reinforced Concrete Chamber CTL-12 and CTL-18 by Cur-Tech, LLC General Use Approval  

#### Biodiffuser and ARC Chamber by Infiltrator Water Technologies, LLC

- Biodiffuser and ARC Chamber by Infiltrator Water Technologies, LLC General Use Approval  
- Arc Chambers by Infiltrator Design and Installation Manual  13MB



# Contact Information

<http://www.mass.gov/eea/agencies/massdep/>

<http://www.mass.gov/eea/agencies/massdep/service/ompga/>

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### For Municipal Assistance

Anthony Veilleux 617-292-5946



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